L Number	Hits	Search Text	DB	Time stamp
1	2	6742875.pn.	USPAT;	2004/09/02 13:19
		·	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
2	0	6742875.pn. and (vibrating adj plate) and (piezoelectric	USPAT;	2004/09/02 13:19
	,	adj plate)	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
_	_		IBM_TDB	
3	2	6742875.pn. and (vibration adj plate) and (piezoelectric	USPAT;	2004/09/02 13:29
		adj plate)	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	ء ا	272524	IBM_TDB	2004/00/02 42-25
4	3	372521.pn.	USPAT;	2004/09/02 13:25
			US-PGPUB; EPO; JPO;	
			DERWENT;	
			IBM_TDB	
5	3	372521.pn. and (vibrati\$2 direction)	USPAT;	2004/09/02 13:25
	,	372321.pm. and (vibradiş2 direction)	US-PGPUB;	2004/05/02 15.25
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
6	204	(diaphragm (vibrati\$2 adj plate)) same (piezoelectric adj	USPAT;	2004/09/02 13:30
		plate)	US-PGPUB;	
		, F,	EPO; JPO;	
			DERWENT;	
			IBM_TDB	,
7	74	((diaphragm (vibrati\$2 adj plate)) same (piezoelectric adj	USPAT;	2004/09/02 13:30
1	'	plate)) and @ay<=1990	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	12	("6742" "875" "6186619" "5894317" "5910809"	USPAT;	2004/09/02 11:05
		"5444471").PN.	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
]	3	6742975 nn	IBM_TDB	2004/00/02 12:10
-	2	6742875.pn.	USPAT; US-PGPUB;	2004/09/02 13:19
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	18	("4072959"   "4390886"   "4439780"   "4523121"	USPAT	2004/09/02 11:04
]	13	"4536097"   "4566018"   "4638206"   "4752788"	001711	230 1/05/02 11:01
		"4752789"   "4788557"   "4812698"   "4819014"		
1		"4845399"   "4937597"   "4962391"   "5072240"		
		"5444471"   "5446485").PN.		
-	12029	nozzle adj plate	USPAT;	2004/09/02 11:05
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	US-PGPUB;	, , ,
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	163285	piezoelectric	USPAT;	2004/09/02 11:05
			US-PGPUB;	
			EPO; JPO;	
]			DERWENT;	
L	[		IBM_TDB	L

			LICOAT	2004/00/00 44 07
-	5801	piezoelectric adj2 plate	USPAT;	2004/09/02 11:05
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	9763	vibration adj2 plate	USPAT;	2004/09/02 11:38
			US-PGPUB;	
			EPO; JPO;	,
			DERWENT;	
			IBM_TDB	
-	9724	vibration adj2 direction	USPAT;	2004/09/02 11:26
		•	US-PGPUB;	
			EPO; JPO;	:
			DERWENT;	
			IBM_TDB	
_	3	(nozzle adj plate) and (piezoelectric adj2 plate) and	USPAT;	2004/09/02 11:10
		(vibration adj2 plate) and (vibration adj2 direction)	US-PGPUB;	2001/03/02 11.10
		(Vibration adjz plate) and (Vibration adjz direction)		
			EPO; JPO;	
	-		DERWENT;	
	10		IBM_TDB	2004/00/20
-	48	(piezoelectric adj2 plate) and (vibration adj2 plate) and	USPAT;	2004/09/02 11:10
		(vibration adj2 direction)	US-PGPUB;	'
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	13	( (piezoelectric adj2 plate) and (vibration adj2 plate) and	USPAT;	2004/09/02 11:12
		(vibration adj2 direction)) and @ay<=1990	US-PGPUB;	
		, , , , , , , , , , , , , , , , , , , ,	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	25	(nozzle adj plate) and (vibration adj2 direction)	USPAT;	2004/09/02 11:12
	23	(Nozzie adj place) and (Vibration adjz direction)	US-PGPUB;	200 1/05/02 11.12
			EPO; JPO;	
			DERWENT;	
		Considerable and Calculation and Calculation and	IBM_TDB	2004/00/02 44-42
-	14	(nozzle adj plate) and (vibration adj2 direction) and	USPAT;	2004/09/02 11:12
		piezoelectric	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	2	((nozzle adj plate) and (vibration adj2 direction) and	USPAT;	2004/09/02 11:12
		piezoelectric) and @ay<=1990	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	8	((nozzle adj plate) and (vibration adj2 direction)) and	USPAT;	2004/09/02 11:16
		@ay<=1990	US-PGPUB;	
		·	EPO; JPO;	
			DERWENT;	1
			IBM_TDB	
-	1200	(nozzle adj plate) and piezoelectric and vibration	USPAT;	2004/09/02 11:16
		Character and proceedings and vibration	US-PGPUB;	100 1, 05, 02 11.10
			EPO; JPO;	
			DERWENT;	
		//"40730E0"   "4300006"   "4430700"   "4E33434"	IBM_TDB	2004/00/02 11:17
-	3	(("4072959"   "4390886"   "4439780"   "4523121"	USPAT;	2004/09/02 11:17
		"4536097"   "4566018"   "4638206"   "4752788"	US-PGPUB;	
	}	"4752789"   "4788557"   "4812698"   "4819014"	EPO; JPO;	
1	1	"4845399"   "4937597"   "4962391"   "5072240"	DERWENT;	
L	L	"5444471"   "5446485").PN.) and (vibration adj2 plate)	IBM_TDB	

-	75	((nozzle adj plate) and piezoelectric and vibration) and @ay<=1990	USPAT; US-PGPUB;	2004/09/02 11:30
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	22942	piezoelectric with (layer laminat\$3)	USPAT;	2004/09/02 11:26
		processing man (my or minimage)	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	1029	(nozzle adj plate) same vibrat\$3	USPAT;	2004/09/02 11:26
			US-PGPUB;	, ,
			EPO; JPO;	
		•	DERWENT;	
			IBM_TDB	
-	28356	vibrat\$3 near3 direction	USPAT;	2004/09/02 11:26
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	158	(nozzle adj plate) and (piezoelectric with (layer laminat\$3))	USPAT;	2004/09/02 11:27
		and (vibrat\$3 near3 direction)	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	4	((nozzle adj plate) and (piezoelectric with (layer laminat\$3))	USPAT;	2004/09/02 11:32
		and (vibrat\$3 near3 direction)) and @ay<=1990	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	19	(piezoelectric with (layer laminat\$3)) and ((nozzle adj plate)	USPAT;	2004/09/02 11:38
		same vibrat\$3) and @ay<=1990	US-PGPUB;	
			EPO; JPO;	
	:		DERWENT;	
	242754		IBM_TDB	2004/00/02 11:20
-	213754	diaphragm	USPAT; US-PGPUB;	2004/09/02 11:38
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	10592	((nozzle adj plate) nozzle) same diaphragm	USPAT;	2004/09/02 11:38
	10352	((nozzio daj piaco) nozzio) saino diapinagin	US-PGPUB;	200 ., 05, 02 11.30
			EPO; JPO;	,
			DERWENT;	
			IBM_TDB	
-	4597	(((nozzle adj plate) nozzle) same diaphragm) and	USPAT;	2004/09/02 11:39
		@ay<=1990	US-PGPUB;	, ,
		- '	EPO; JPO;	
			DERWENT;	
	:		IBM_TDB	
-	167	((((nozzle adj plate) nozzle) same diaphragm) and	USPAT;	2004/09/02 11:39
		@ay<=1990) and piezoelectric	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	22	(((((nozzle adj plate) nozzle) same diaphragm) and	USPAT;	2004/09/02 11:56
		@ay<=1990) and piezoelectric) and (piezoelectric with	US-PGPUB;	
		(layer laminat\$3))	EPO; JPO;	
			DERWENT;	
	_	2242044 UPDU	IBM_TDB	2004/20/25 :: :=
-	0	3342844.URPN.	USPAT	2004/09/02 11:47
- Search Histo	50	4032929.URPN.	USPAT	2004/09/02 11:48

Search History 9/2/04 1:36:23 PM Page 3

-	50	4032929.URPN.	USPAT	2004/09/02 11:48
-	2	("3452360"   "3747120").PN.	USPAT	2004/09/02 11:48
-	7	("4032929"   "4480259"   "5666141"   "5684519"	USPAT	2004/09/02 11:55
		"5719604"   "6074043"   "6126272").PN.		
-	15	("4032929"   "4628576"   "4633267"   "4826131"	USPAT	2004/09/02 11:55
		"5029805"   "5040002"   "5177579"   "5225854"		
		"5565113"   "5588466"   "5784083"   "5863024"		
		"5870482"   "5902556"   "5971355").PN.		
-	18	("5128694" "5894317" "4641153" "4752788" "4788557"	USPAT;	2004/09/02 12:03
		"4566018" "4443729" "4752789").pn.	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
<b> </b>	16	("6186619" "5910809" "5444471" "4845399" "4599628"	USPAT;	2004/09/02 12:09
		"4819014" "5446485" "4072959" "4536097").pn.	US-PGPUB;	, ,
		, , , , , , , , , , , , , , , , , , ,	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	2	"61246063"	USPAT;	2004/09/02 12:06
	_	012 70000	US-PGPUB;	200 1/05/02 12:00
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
1_	1	61246063.pn.	USPAT;	2004/09/02 12:07
	1	612 10003.pm	US-PGPUB;	2001/05/02 12:07
		•	EPO; JPO;	
			DERWENT;	
			IBM_TDB	:
_	19	("4390886" "4523121" "5072240" "4638206" "4812698"	USPAT;	2004/09/02 12:22
	1	"4937597" "4962391" "4439780" "4697193").pn.	US-PGPUB;	2001,00,02 22122
		1937337 1902331 1133700 1037133 J.pii.	EPO; JPO;	
1			DERWENT;	
			IBM_TDB	
_	3	("4072959"   "4633121"   "4768266").PN.	USPAT	2004/09/02 12:10
_	40	5072240.URPN.	USPAT	2004/09/02 12:11
_	2	03072521.pn.	USPAT;	2004/09/02 12:11
	_		US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	1	0372521.pn.	USPAT;	2004/09/02 12:24
		0072021pm	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	3	372521.pn.	USPAT;	2004/09/02 13:25
		3/2321.pm	US-PGPUB;	230 1, 05, 02 13.25
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
			1011_100	I